Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (currently amended): A braid-reinforced microcatheter having a degree of flexibility to traverse remote vascular locations and a degree of strength to withstand high pressure associated with catheter delivery of viscous liquid embolizing compositions comprising:

a) a cylindrical inner layer of polymer defining a single lumen in the catheter wherein said inner layer has a proximal end and a distal end and a flexibility at its distal end greater than at its proximal end further wherein said inner layer consists essentially of a first or inner polymer layer and a second or outer polymer layer at the proximal end and said first polymer layer at the distal end and still further wherein said first polymer layer is a lubricous polymer selected from the group consisting of polytetrafluoroethylene and high density polyethylene and said second layer comprises polyimide and wherein the second layer gradually tapers to zero at the distal end wherein at least 3-5 cm of the distal end is provided with no polyimide;

b) a braided wire layer over the inner layer, the braided wire layer including a distal segment of a first pic rate and a proximal segment of a second pic rate which is smaller than the first pic rate, the braided wire layer extending from the proximal end to within about 1 cm of the distal end of the catheter;

c) an outer jacket surrounding the braided wire comprising a plurality of joined segments of polymers of increasing flexibility thereby having a proximal durometer higher than a distal durometer; and

d) wherein the microcatheter is devoid of a balloon and wherein the microcatheter has a burst strength of from 700 to 1000 psi.

Claims 2-3. (canceled).

Claim 4 (previously presented): The microcatheter of claim 1 wherein the wire braid comprises Nitinol.

Claim 5 (previously presented): The microcatheter of claim 1 wherein the wire braid comprises stainless steel.

Claim 6 (previously presented): The microcatheter of claim 1 wherein the wire braid consists essentially of Nitinol.

Claim 7 (previously presented): The microcatheter of claim 1 or 4 or 6 wherein the wire braid contains about 8 wires.

Claim 8 (previously presented) The microcatheter of claim 1 or 4 or 6 wherein the wire in the braid is elliptical in cross section.

Claim 9 (previously presented) The microcatheter of claim 1 or 4 or 6 wherein the pic rate of the wire braid in its least flexible portion is less than ¼ the pic rate of its most flexible portion.

Claim 10 (previously presented) The microcatheter of claim 1 wherein the pic rate of the wire braid changes continuously.

Claim 11 (previously presented) The microcatheter of claim 1 wherein the pic rate of the wire braid changes stepwise.

Claim 12 (original) The microcatheter of claim 11 wherein the pic rate changes in at least 3 steps.

Claim 13 (original) The microcatheter of claim 11 wherein the pic rate changes in 4 steps.

Claims 14-16 (canceled).

Claim 17 (previously presented) The microcatheter of claim 1 wherein the polymer jacket comprises polyamide/nylon at its proximal end.

Claim 18 (previously presented) The microcatheter of claim 1 wherein the polymer jacket comprises polyether-polyamide block copolymer at its distal end.

Claim 19 (previously presented) The microcatheter of claim 1 wherein the polymer jacket comprises at least one segment of polyamide/nylon and at least two segments of polyether-polyamide block copolymer.

Claim 20 (previously presented) The microcatheter of claim 1 wherein the most flexible segments of the polymer jacket have a durometer of about 35 or less.

Claim 21 (previously presented) The microcatheter of claim 1 wherein the most flexible segments of the polymer jacket have a durometer of about 35.

Claim 22 (previously presented) The microcatheter of claim 1 wherein the most flexible segments of the polymer jacket have a durometer of about 25.

Claims 23-26 (canceled).

Claim 27 (new) The microcatheter of claim 1 comprising:

a) a cylindrical inner layer of polymer defining a single lumen in the catheter wherein said inner layer has a proximal end and a distal end and a flexibility at its distal end greater than at its proximal end further wherein said inner layer consists essentially of a first or inner polymer layer and a second or outer polymer layer at the proximal end and said first polymer layer at the distal end and still further wherein said first polymer layer is a lubricous polymer selected from the group consisting of polytetrafluoroethylene and high density polyethylene and said second layer comprises polyimide and wherein the second layer gradually tapers to zero at the distal end wherein at least 3-5 cm of the distal end is provided with no polyimide;

b) a braided wire layer over the inner layer, the braided wire layer including a distal segment of a first pic rate and a proximal segment of a second pic rate which is smaller than the first pic rate, the braided wire layer extending from the proximal end to within about 1 cm of the distal end of the catheter wherein the braided wire layer comprises five sections with five different pic per inch rates as shown in Table 3 below;

Table 3

	Section	Pic/Inch	Nominal section length
Distal	V	120	15 cm
	W	80	15 cm
	X	50	5 cm
	Y	30	15 cm
Proximal	Z	25	100+cm

c) an outer jacket surrounding the braided wire comprising a seven cylindrical sections of joined segments of polymers of increasing flexibility thereby having a proximal durometer higher than a distal durometer as shown in Table 4 below;

Table 4

Section	Material			
G	Polyamide/nylon	0.034”	118cm	50”
F	Polyamide/nylon	0.031”	10 cm	4”
E	Polyether/polyamide	72 D durometer	16 cm	61/2”
D	Polyether/polyamide	63 D durometer	5.5 cm	21/4”
C	Polyether/polyamide	55 D durometer	5.5 cm	21/4”
B	Polyether/polyamide	40 D durometer	6 cm	23/8”
A	Polyether/polyamide	35 D durometer	3.5 cm	13/8”

and

d) wherein the microcatheter is devoid of a balloon and wherein said microcatheter has a burst strength of from 700 to 1000 psi.

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